MONTHLY OPERATING REPORT

BROWNS FERRY NUCLEAR PLANT

TENNESSEE VALLEY AUTHORITY

AUGUST 1988

"Safety and Quality are Paramount"

DOCKET NUMBERS 50-259, 50-260, AND 50-296
LICENSE NUMBERS DPR-33, DPR-52, AND DPR-68

Submitted by:

Guy G. Campbell III Plant Manager

8809290380 880831 PDR ADOCK 05000259

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В	Instrum	ent	M	ain	ter	nan	ice										٠.					 					 	* •	. :	34
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PART	V OTHER RE	POR	TS																											
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OPERATIONAL SUMMARY

SIGNIFICANT OPERATIONAL EVENTS SUMMARY

AUGUST 1988

Unit 1			
08/01/88	0001	Unit remains on administrative TVA and NRC concerns.	hold to resolve various
08/31/88	2400	Unit remains on administrative TVA and NRC concerns.	hold to resolve various
Unit 2			
08/01/88	0001	Unit remains on administrative TVA and NRC concerns. Cycle 5 modifications continue.	
08/31/88	2400	Unit remains on administrative TVA and NRC concerns. Cycle 5 modifications continue.	
Unit 3			
08/01/88	0001	Unit remains on administrative TVA and NRC concerns.	hold to resolve various
08/31/88	2400	Unit remains on administrative TVA and NRC concerns.	hold to resolve various

FUEL PERFORMANCE AND SPENT FUEL STORAGE CAPABILITIES SUMMARY AUGUST 1988

Unit 1

Unit 1 was placed on administrative hold in March 1985 to resolve TVA and NRC concerns. The unit also began its sixth refueling on June 1, 1985, with a scheduled restart date to be determined. The sixth refueling will involve loading 8x8R (retrofit) fuel assemblies into the core. The prior-to-startup unit 1 modifications are environmental qualification of electrical equipment (10CFR50.49), torus modification (NUREG 0661), containment instrumentation modifications (NUREG 0737), fire protection changes (Appendix R 10CFR50) (all), MSIV leak rate reduction modifications, modification of masonry walls (IEB 80-11), evaluation of the vent drain and test connections (LER 82020), valve leak rate testing modifications (Appendix J), HPCI improvements, modification of PCIS logic (LER 259 85009), replacement of plant process computers, seismic qualifications of piping (IEB 79-02/14), post-accident sampling modifications (NUREG 0737), RPS voltage monitoring modifications H202 sample line modification (LER 81050), and EECW (.bon to stainless pipe changeout.

There are zero assemblies in the reactor vessel. The spent fuel storage pool presently contains 284 new assemblies, 512 EOC-6, 267 EOC-5, 245 EOC-4, 362 EOC-3, 26 EOC 2, and 168 EOC-1 assemblies. The 252 EOC-6 assemblies were transferred to unit 2 SFSP. The present available capacity of the fuel pool is 1607 locations.

FUEL PERFORMANCE AND SPENT FUEL STORAGE CAPABILITIES SUMMARY (CONTINUED)

AUGUST 1988

Unit 2

Unit 2 was shut down on September 15, 1984, for its fifth refueling outage with a scheduled restart date to be determined. On September 3, 1985, the unit was placed on administrative hold to resolve TVA and NRC safety concerns. The fifth refueling involves loading 8x8R (retrofit) fuel assemblies into the core. The prior-to-startup unit 2 modifications are CRD SDIV piping modification (IEB 80-17), environmental qualification of electrical equipment (10CFR50.49), torus structural modifications (NUREG 0661), containment instrumentation modification (NUREG 0737), fire protection changes (Appendix R 10CFR50), MSIV leak rate reductions modifications, modification of masonry walls (IEB 80-11), addition of freedwater nozzle temperature monitoring (NUREG 0619), evaluation of the vent drain and test connections (LER 82020), valve leak rate testing modifications (Appendix J), D/G speed sensor installation (LER 81004), HPCI and RCIC testable check valve changeout, modification of PCIS logic (LER 259 85009), HPCI improvements, various seismic program review, and EECW carbon to stainless pipe changeout.

There are zero assemblies in the reactor vessel. The spent fuel storage pool presently contains 304 new assemblies, 252 unit 1 EOC-6, 764 EOC-5, 248 EOC-1, 352 EOC-3, 156 EOC-2, and 132 EOC-1 assemblies. The 252 EOC-6 assemblies were transferred from unit 1 SFSP. The present available capacity of the fuel pool is 1,229 locations.

FUEL PERFORMANCE AND SPENT FUEL STORAGE CAPABILITIES SUMMARY (CONTINUED)

AUGUST 1988

Unit 3

Unit 3 was shut down on March 9, 1985, and placed on administrative hold to resolve various TVA and NRC concerns with a scheduled restart date to be determined. The sixth refueling outage involves loading 8x8R (retrofit) assemblies into the core and ATWS modifications. The prior-to-startup unit 3 modifications are environmental qualification of electrical equipment (10CFR50.49), containment modifications (NUREG 0737), fire protection changes (Appendix R 10CFR50), MSIV leak rate reduction modifications, modification of masonry walls (IEB 80-11), evaluation of the vent drain and test connections (LER 82020), valva leak rate testing modifications (Appendix J), HPCI concerns, replacement of plant process computer, seismic qualifications of piping (IEB 79-02/14), post-accident sampling modification (NUREG 0737), addition of redundant drywell control air supply, RPS voltage monitoring modification, H₂O₂ sample line modification (LER 81050), replacement of jet pump holddown beam assemblies (IEB 80-07), EECW carbon to stainless pipe changeout, and plant design upgrade to seismic qualification.

There are zero assemblies in the reactor vessel. The spent fuel storage pool presently contains 764 assemblies to finish cycle 6, 248 EOC-5, 280 EOC-4, 376 EOC-3, 97 EOC-2, and 3 EOC-1 assemblies. The present available capacity of the fuel pool is 585 locations.

MAIN STEAM RELIEF VALVE (MRRVs) SUMMARY

AUGUST 1988

No MSRVs were challenged during the month.

ISSUANCE OF SPECIAL REPORTS

AUGUST 1988

There were no violation notices issued for the month of August 1988.

AUGUST 1988 Description of Event

LER

1-87-027 Rev. C1 Inoperable Hand Control Valve Blocks High Preggare Coolant Injection Torus Water Supply

On September 15, 1987, at 1000 hours, while performing layup maintenance on unit 1, it was discovered that a 16-inch hand control valve in the high pressure coolant injection suction line from the torus had the valve stem separated from the valve disc and could not be opened. The Associated Control Equipment, Inc., hand control valve disc and shaft are connected by a key. The key is held in place by a cover plate secured by four bolts. Three of the bolts had failed permitting the shaft and disc to separate. A metallurgical analysis determined the cause of the bolt failure to be tensile overload.

The bolts were replaced on the broken valve. Similar valves on all three units were inspected and valve operation verified.

No other failures were identified.

The failure of this valve is considered a isolated case based on failure mechanism alve maintenance history, and inspection results of similar valves. The valves are cheduled to be inspected and tested during the next refueling sutage on each unit.

1-88-021

Control Power Transfer on 4KV Shutdown Board Causes Unplanted Start of Residual Heat Removal Service Water (RHRSW) Pump

On July 18, 1988, at 2040 hours with all three units defueled, there was an unplanned start of the B1 RHRSW pump, an engineered safety feature (ESF).

The monthly operability test on the 3A diesel generator (DG) was in progress and the DG was running. The B1 RHRSW pump had started automatically per the DG test and had been manually stopped. The 250 VDC control power to the 3EC AKV shutdown board was realigned per special operating instruction (SOI)-23 in order to meet secondary containment requirements to continue fuel handling operations. The 3A DG was still running. The control power transfer caused a momentary voltage drop to the RHRSW pump B1 start logic. A time delay start relay and the auto start lockout relay were deenergized and therefore reinitialized. Following a 28-second time delay, the RHRSW

Description of Event (Continued)

LER

2-88-021 (Continued) pump restarted. The cause of the event was determined to be the control power transfer with the DG running. The B1 RHRSW pump was intentionally left in operation. SOI-23 will be revised.

1-88-022

Unplanned Containment Isolations Caused by F. ilure of Logic Relay Coil

On July 20, 1988, at 2135 hours with all three units defueled and work in progress over the spent fuel storage pools, Browns Ferry unit 1 received a spurious refuel zone high radiation signal which caused isolations of primary containment, refuel zone, and main control room ventilation systems and initiated the standby gas treatment (SBGT) and the control room emergency ventilation systems. As a result of the SBGT initiation, the reactor building pressure decreased causing reactor zone ventilation isolations. The other refuel zone exhaust radiation monitors were operable and indicating normal radiation levels. Work over the spent fuel storage pools was stopped.

The spurious high radiation signal was generated by the failure of the upscale relay coil in the unit 1, B train, refuel exhaust radiation monitoring circuit. A definitive cause for the coil failure has not been determined. The investigation is continuing into the cause of the relay coil failure and a supplemental report will be submitted.

Corrective maintenance was initiated to replace the relay. Following repair, the radiation monitor was functionally tested and returned to service. All affected systems were returned to normal by 2020 hours on July 21, 1988. Upgrade of these relays had been previously initiated but is awaiting material delivery for the refuel zone and reactor zone exhaust radiation monitors.

2-88-004

Personnel Error Initiates Engineered Safety Features

on July 1, 1988, at 1205 hours and again at 1310 hours with all three units defueled, a low reactor water level signal was received by the reactor protection system (RPS). This initiated standby gas treatment and control room emergency ventilation. The unit 2 reactor zone ventilation isolated, the refueling zone ventilation isolated, and an isolation signal was sent to the unit 2 isolation valves on the reactor water cleanup, residual heat removal, primary containment ventilation, and traversing incore probe. The second event occurred while investigating the

Description of Event (Continued)

LER

2-88-004 (Continued) cause of the first event. Both events were caused by draining sensing lines on a unit 2 reactor vessel level transmitter and a reactor pressure transmitter during performance of a modification, without an adequate clearance. This was due to a personnel error on the part of the responsible modifications engineer in filling out the clearance request and the assistant shift operations supervisor in establishing the clearance. The sensing lines were capped, isolations reset, and all ventilation systems returned to normal. A second clearance was issued to prevent recurrence. The individuals involved have been counseled.

OFFSITE DOSE CALCULATION MANUAL CHANGES

AUGUST 1988

No changes were made to the Browns Ferry offsite dose calculation manual during the month.

RADWASTE SUMMARY

AUGUST 1988

The radwaste system performed as designed. Approximately 9.95E+05 gallons of waste liquid were discharged containing approximately 1.67E-02 curies of activity.

There were two spent resin shipments and two trash shipments during August. All shipments were to Barnwell, South Carolina.

Dewatered Spent Resin Shipments (1)

Volume of condensate/waste resin shipped: 7.04 Cu.M. (247 Cu.Ft.)

Total curies shipped: 33.536

Volume of reactor cleanup resin shipped: 0 Cu.M. (O Cu.Ft.)

Total curies shipped: 0

Date Shipped Disposal Facility Type of Resin
08/01/88 Barnwell, SC CWPS
08/23/88 Barnwell, SC CWPS

Dry Active Waste (1)

Number of drums shipped: 46 Volume: 9.83 Cu.M. (345.0 Cu.Ft.)

Total curies shipped: 0.5496

Number of boxes shipped: 15 Volume: 41.31 Cu.M. (1449.1 Cu.Ft.)

Total curies shipped: 3.2713

Date Shipped Disposal Facility
08/10/88 Barnwell, SC
08/30/88 Barnwell, SC

Type of Package Drums/Boxes Boxes

(1) All shipments were by Sole-Use Vehicle

Summary

Type of Waste	Shipped to Barnwell During Month	Packaged on Site Awaiting Shipment	Gross Curie Content by Type of Waste	Estimated Generation for Next Month
Compacted Drums	285.0Cu.Ft.(2)	555 Cu.Ft.	1.16E-01	1200 Cu.Ft. (2)
Boxes	465 Cu.Ft. (2)	186 Cu.Ft.	3.17E+00	800 Cu.Ft. (2)
Uncompact Drums	ed 60 Cu.Ft. ⁽²⁾	O Cu.Ft.	4.34E-01	0 Cu.Ft. (2)
Boxes	984.1Cu.Ft. (2)	894 Cu.Ft.	1.00E-01	1600 Cu.Ft. (2)
Resins	247 Cu.Ft. (1)	1569 Cu.Ft. (3	3.35E+01	450 Cu.Ft. (1)
RWC'	0 Cu.Ft. (1)	280 Cu.Ft. (3	0.00E+00	40 Cu.Ft. (1)
TOTALS	2085 Cu.Ft. (2)	1635 Cu.Ft. (4	3.73E+01	3,600 Cu.Ft. (4)

Total volume of waste shipped during the month: 2,085 Cu.Ft. (2)
Total volume of waste shipped year-to-date: 16,642 Cu.Ft.
Unused 1988 burial volume allocation at Barnwell: 66,158 Cu.Ft.

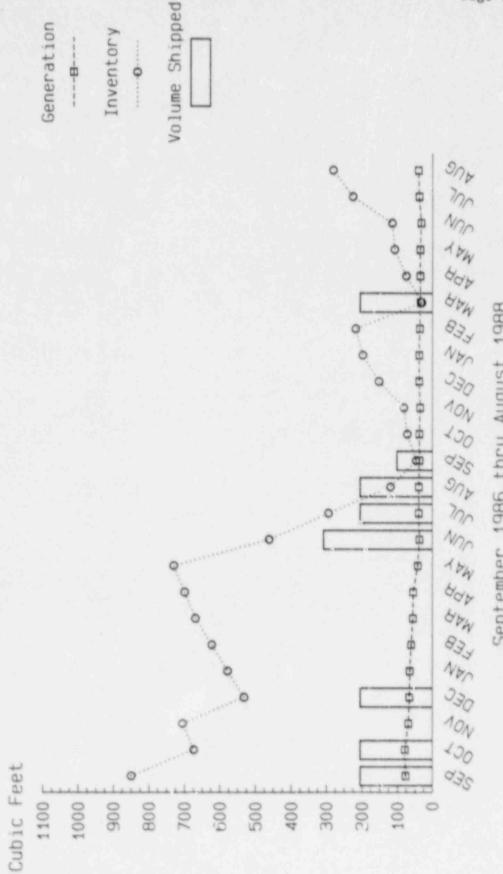
⁽¹⁾ Actual resin volume

⁽²⁾ Container burial volume

⁽³⁾ Estimated volume in reparators

⁽⁴⁾ Does not include resins

Generation - Inventory - Shipped RWCU Resin / Sludge

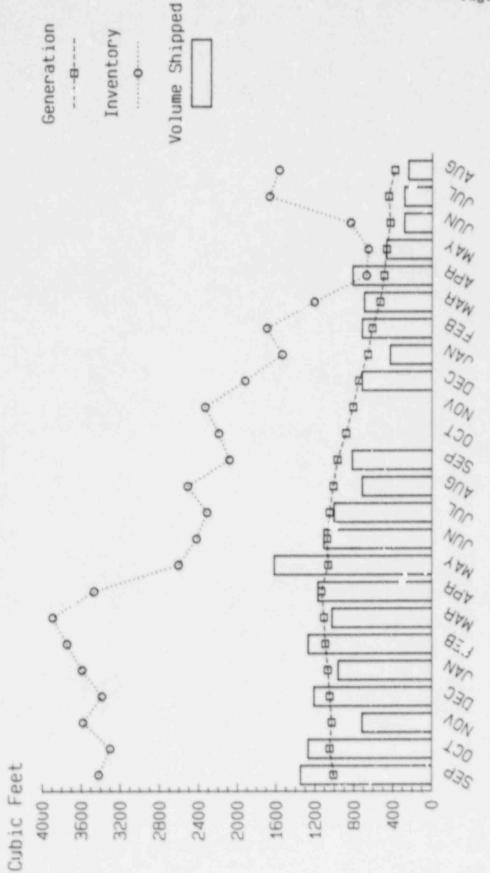


September 1986 thru August 1988

inventory On Hand As Of Last Day Of Month Generation is 12-Month Sliding Average Shipped For Disposal During The Month

Prepared By: BFNP - Water & Waste Processing Grp Data Compiled By: Brian N. Woolweber September Schedried Shipment Volume: O Cuft

CWPS Resin / Sludge Generation - Inventory - Shipped

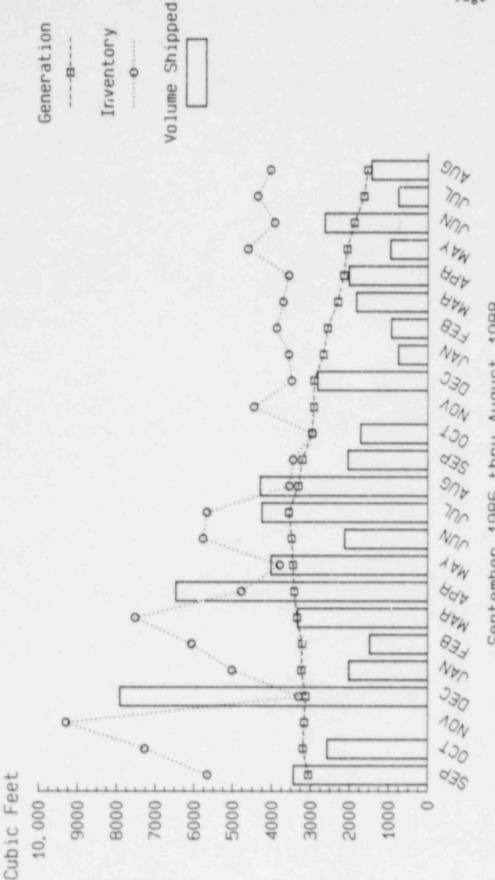


September 1986 thru August 1988

Generation is 12-Wonth Sliding Average Inventory On Hand As Of Last Day Of Month Shipped For Disposal During The Month

Prepared By: BFNP - Water & Waste Processing Grp Data Compiled By: Brian N. Woolweber September Scheduled Shipment Volume: 582 Cuft

(DAM) Generation - Inventory - Shipped Ory Active Waste

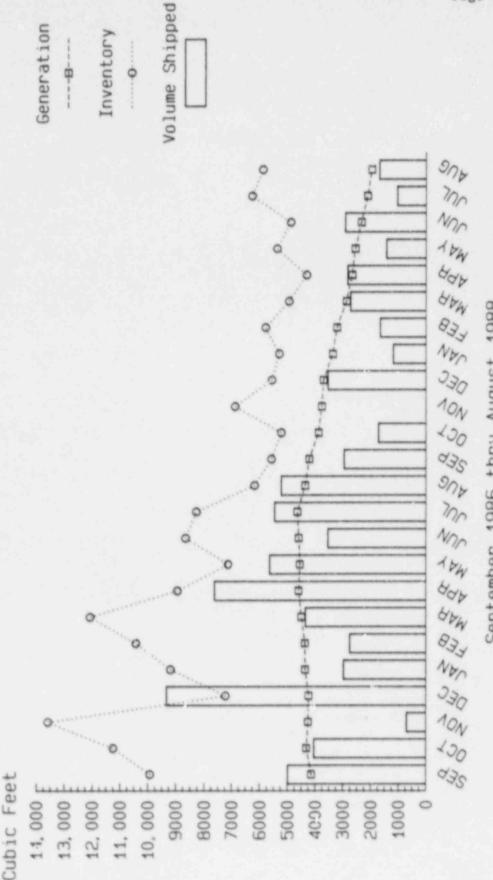


September 1986 thru August 1988

Inventory On Hand As Of Last Day Of Wonth Shipped For Disposal During The Month Generation is 12-Month Sliding Average

Prepared By: BFNP - Water & Waste Processing Gra Data Compiled By: Brian N. Woolweber September Scheduled Shipment Volume: 3600 Cuft

Generation - Inventory - Shipped Low Level Radwaste

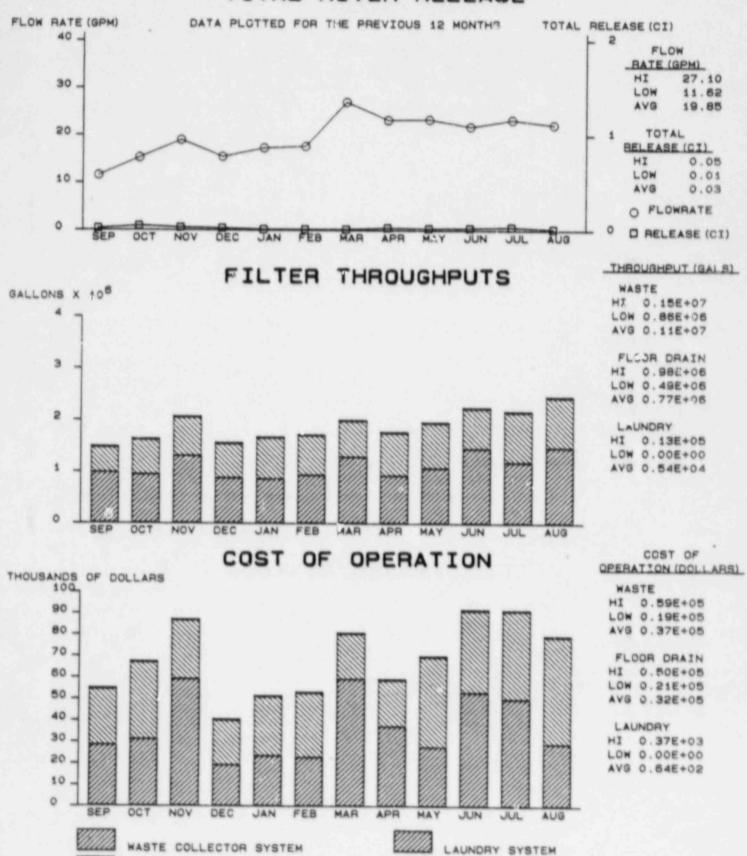


September 1986 thru August 1988

Inventory On Hand As Of Last Day Of Month Generation is 12-Month Sliding Average Shipped For Disposal During The Month

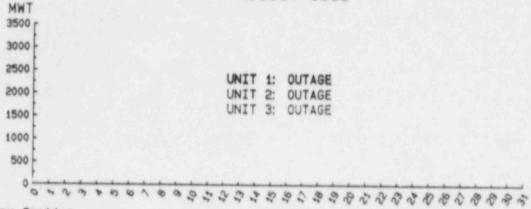
Prepared By: BrNP - Water & Waste Processing Gro Data Compiled By: Brian N. Woolweber September Scheduled Shipment Volume:

LIQUID RADWASTE AUGUST 1988 TOTAL RIVER RELEASE



FLOOR DRAIN SYSTEM

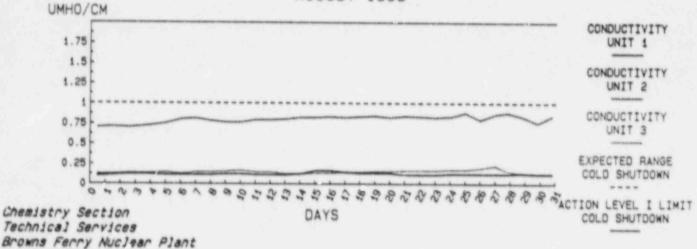
REACTOR POWER - MWT UNITS 1, 2, AND 3 AUGUST 1988



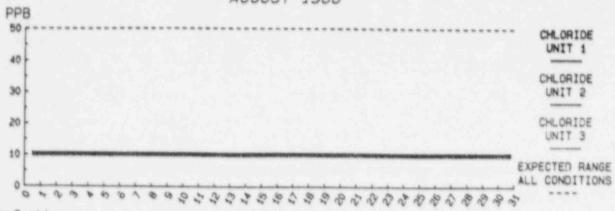
Chemistry Section Technical Services Browns Ferry Nuclear Plant

DAYS

REACTOR WATER CONDUCTIVITY
UNITS 1, 2, AND 3
AUGUST 1988



REACTOR WATER CHLORIDE UNITS 1, 2, AND 3 AUGUST 1988



OPERATING STATISTICS

DOCKET NO. 50-259

DATE 09-01-88

COMPLETED BY J. D. Crawford

TELEPHONE (205) 729-2567

OPERATING STATUS I. Unit Name: Browns Fer 2. Reporting Period: August 3. Licensed Thermal Power 4. Nameplate Rating (Gross 5. Design Electrical Ratin 6. Maximum Dependable Capa 7. Maximum Dependable Capa 8. If Changes Occur in Cap	Notes	aport, Give Reason		
9. Power Level To Which Ru 10. Reasons For Restriction			Α	
		This Month	Yr-to-Date	Cumulative
II. Hours in Reporting Per	ind	744	5855	(23,535
12. Number of Hours Reacto		0	0	59,521.38
13. Reactor Reserve Shutdo		0	0	6,997.44
14. Hours Generator On-Lin		0	0	58,267.26
15. Unit Reserve Shutdown		0	0	0
16. Gross Thermal Energy G		0	0	168,066,787
17. Gross Electrical Energ		0	0	55,398,130
18. Net Electrical Energy		-4948	-33967	53,647,506
19. Unit Service Factor		0	0	47,20
20. Unit Availability Fact	or	0	0	47.20
21. Unit Capacity Factor (Using MDC Net)	0	0	40.80
22. Unit Capacity Factor (0	0	40.80
23. Unit Forced Outage Rat		100	100	44.40
24. Shutdowns Scheduled Ov	er Next 6 Months (1	Type, Date, and D	Ouration of Each):	
25 14 Ch 1 C	Depart Deplet Co.	tinated Date of 1	Startun To be det	armined
25. If Shut Down At End Of 26. Units In Test Status (Forecast	Achieved
INITIAL CRI	TICALITY			
INITIAL ELE				
COMMERCIAL				
			7.0	
				/0/

DOCKET NO. 50-260
DATE 09-01-88
COMPLETED SY J. D. Crawford
TELEPHONE (205) 729-2507

	Notes					
Reporting Period: August 1988 Licensed Thermal Power (MWt): 3293						
1098,4						
1065						
ems Number 3 Thro	ough 7) Since Last I	Report, Give Rees				
	/A					
This Month	Yr-to-Date	Cumulative				
744	5855	118,422.00				
0	0	55,860.03				
0	0	14,200.44				
0	0	54,338.36				
0	0	0				
0	0	153, 245, 167				
0	0	50,771,798				
-2169	-16,695	49,167,138				
0	Committee of the Commit	45.90				
0	0	45,90				
0	0	39.00				
0	0	39.00				
100	100	43.90				
Type, Date, and I	Duration of Each):					
management was made and						
	Startup To be det	ermined				
(Operation):	Forecast	Achieved				
	-					
	-					
	(Net Mwe):	1098,4				

DOCKET NO. 50-296

DATE 09-01-88

COMPLETED BY J. D. Crawford TELEPHONE (205) 729-2507

OPE 1. 2. 3. 4. 5. 6. 7. 8.	Unit Name: Browns Ferry Unit Three Reporting Period: August 1988 Licensed Thermal Power (MW1): 3293 Nameplate Rating (Gross MWe): 1152 Design Electrical Rating (Net MWe) 1065 Maximum Dependable Capacity (Gross MWe) Maximum Dependable Capacity (Net MWe) If Changes Occur in Capacity Ratings (It	Notes					
	Power Level To Which Restricted, if Any Reasons For Restrictions, if Any: N		'A				
		This Month	Yr-to-Date	Cumulative			
11	Hours in Reporting Period	744	5855	100,847.00			
	Number of Hours Reactor Was Critical	0	0	45,306.08			
	Reactor Reserve Shutdown Hours	0	0	5,149.55			
	Hours Generator On-Line	0	0	44,194.76			
	Unit Reserve Shutdown Hours	0	0	0			
	Gross Thermal Energy Generated (MMH)	0	0	131,868,267			
	Gross Electrical Energy Generated (MWH)	0	0	43,473,760			
	Net Electrical Energy Generated (MWH)	-1577	-17,468	42,023,680			
	Unit Service Factor	0	0	43,80			
	Unit Availability Factor	0	0	43.80			
	Unit Capacity Factor (Using MDC Net)	0	0	39.10			
	Unit Capacity Factor (Using DER Net)	0	0	39.10			
23.	Unit Forced Outage Rate	100	100	47,50			
24,	Shutdowns Scheduled Over Next 6 Months (rype, bare, and t	er arran or agent				
25	If Shut Down At End Of Report Period, Es	timated Date of	Startup To be deter	mined			
26.	Units In Test Status (Prior to Commercia	(Operation):	Forecast	Achieved			
	INITIAL CRITICALITY						
	INITIAL ELECTRICITY		THE RESERVE				
	COMMERCIAL OPERATION		MODEL CONTROL OF	-			
				(9/77			

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.	50-259					
Unit	One					
DATE	09-01-88					
COMPLETED BY	J.D. Crawford					
TELEPHONE	(205)729-2507					

MONTH	AUGUST 1988		
DAY	AVERAGE DAILY POWER LEVEL (MWe-Wet)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-8	17	
2	-7	18	-7
3		19	-7
4	-7	20	-7
5		21	-6
6	-7	22	-7
7		23	
8		24	-7
9		25	-5
10		26	-4
11		27	
12	-6	28	
13	6	29	-7
14	-6	30	
15		31	
16	-7		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.	50-260				
Unit	Two				
DATE	09-01-88				
COMPLETED BY	J.D. Crawford				
TELEPHONE	(205)729-2507				

AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
	17	
	18	-3
-3	19	-3
-3	20	-3
-3	21	-3
-4	22	-3
-3	23	-3
-4	24	-3
-4	25	-1
-3	26	-1
-3	27	-3
-3	28	-3
-3	29	-3
-3	30	-2
-3	31	-3
-3		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.	50-296
Unit	Three
DATE	09-01-88
COMPLETED BY	J.D. Crawford
TELEPHONE	(205)729-2507

2 -2 18 -2 3 -3 19 -2 4 -2 20 -3 5 -2 21 -2 6 -3 22 -2 7 -2 23 -2 8 -2 24 -2 9 -3 25 -1 10 -2 26 -1 11 -2 27 -2 12 -3 28 -2 13 -3 29 -2 14 -2 30 -2	AY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
3 -3 19 -2 4 -2 20 -1 5 -2 21 -2 6 -3 22 -2 7 -2 23 -2 8 -2 24 -2 9 -3 25 -1 10 -2 26 -1 11 -2 27 -2 12 -3 28 -2 13 -3 29 -2 14 -2 30 -2	1	-2	17	-2
-2 20 -3 21 -2 21 -2 22 -2 23 -2 24 -2 25 -1 27 -2 26 -1 27 -2 28 -2 29 -2 29 -2 20 -2 29 -2 20 -2 29 -2 20 -2	2	-2	18	-2
3 -2 21 -2 3 -3 22 -2 4 -2 23 -2 2 24 -2 3 -3 25 -1 10 -2 26 -1 11 -2 27 -2 12 -3 28 -2 13 -3 29 -2 14 -2 30 -2	3		19	-2
3 -3 22 -2 4 -2 23 -2 2 -2 24 -2 3 -3 25 -1 10 -2 26 -1 11 -2 27 -2 12 -3 28 -2 13 -3 29 -2 14 -2 30 -2	4	-2	20	
-2 23 -2 24 -2 25 -1 10 -2 26 -1 11 -2 27 -2 12 -3 28 -2 13 -3 29 -2 14 -2 30 -2	,		21	-2
3 -2 24 -2 4 -3 25 -3 10 -2 26 -1 11 -2 27 -2 12 -3 28 -2 13 -3 29 -2 14 -2 30 -2		-3	22	-2
25 -1 10 -2 26 -1 11 -2 27 -2 12 -3 28 -2 13 -3 29 -2 14 -2 30 -2	,	-2	23	-2
10 -2 26 -1 11 -2 27 -2 12 -3 28 -2 13 -3 29 -2 14 -2 30 -2	•	-2	24	-2
11 -2 27 -2 12 -3 28 -2 13 -3 29 -2 14 -2 30 -2	,	-3	25	-1
123	10	-2	26	-1
13 <u>-3</u> 29 <u>-2</u> 14 <u>-2</u> 30 <u>-2</u>	11	-2	27	-2
142 302	12		28	-2
	13		29	-2
152 31	14	-2	30	-2
	15	-2	31	-2

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. UNIT NAME DATE

DATE

COMPLETED BY

TELEPHONE (205) 729-2507

REPORT MONTH _August

No.	Date	Type1	Duration (Hours)	Reason 2	Method of Shutting Down Reactor	Licensee Event Report #	System	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
315	08/01/88	F	744	F	4				Administrative hold to resolve various TVA and NRC concerns.

F: Forced

S Scheduled

Reason

A Equipment Failure (Explain)

B Maintenance or Test

C-Refueling

D-Regulatory Restriction

f Operator Training & License Examination

F-Administrative

G Operational Error (Explain)

H-Other (Explain)

3

Method:

2 Manual Scram.

3 Automatic Scram.

4-Other (Explain)

Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5

Exhibit E-Same Source

11/771

UNIT SHUTDOWNS AND POWER REDUCTIONS

COMPLETED BY J.D. Crawford TELEPHONE (205) 729-2507

REPORT MONTH August

Cause & Corrective Action to Prevent Recurrence	Administrative hold to resolve various TVA and NRC concerns.
sabu)	
Pabu J Systems	
Licensee Frent Report #	
Method of Shutting Lown Reserve	4
Reasons	Dia .
mateurd (2moH)	744
¹ sqq1	<u> </u>
Бие	98/01/88
j	302

F Forced 5 Scheduled

Reason
A Equipment Fadure (Explain)
B Maintenance or Test

C Refueling

D Regulatory Restriction

F Operator Training & Liverise Examination

F Administrative

G-Operational Error (Explain) (8 Other (Explain)

Method 1 Manual 2 Manual Seram 3 Automatic Seram 4 Other II splain)

Exhibit G. Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

Lybibit L. Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-296 UNIT NAME Three DATE 09-01-88 COMPLETED BY J.D. Crawford

REPORT MONTH August

TELEPHONE (205) 729-2507

No.	Date	Typel	Duration (Hours)	Realson +	Method of Shutting Down Reaction	Licensee Event Report #	System Cude ⁴	Codes	Cause & Corrective Action to Prevent Recurrence
157	08/01/88	F	744	îr	4				Administrative hold to resolve various TVA and NRC concerns.

F. Forced S. Scheduled

Reason

A Equipment Fallow (Explain)

B Maintenance or Test

C-Refueling

D Regulatory Restriction

F Operator Training & License I xamination

F-Administrative

G Operational Error (Explain)

H-Other (Explicit)

Method

t Manual

2 Manual Scram.

3 Automatic Scram.

4-Other (Explain)

1 shibit G. Instructions for Frepacation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-01613

Lylubit L. Same Source

(9/77)

NUCLEAR PLANT OPERATING STATISTICS

BROWNS FERRY NUCLEAR Part

Peri	od H	lours _ 744			anth	August	10.88
	tem	THE RESERVE OF THE PERSON OF T					17 22
	No.	Unit No.	UNIT 1	UNIT 2	UNIT 3	77. 1317	
	1	Average Hourly Gross Load, VW				PLANT	
	2	Maximum Hour Not Generation, MWh	0	0	0	0	
	3	Core Thermal Energy Gen, GWD (1)2	0	0	_	0	Not beauty action to the
	4	Steam Gen. Thermal Energy Gen., GWD (t)2	-	1	0	0	-
8	5	Gross Electrical Gen., MWh	0		-		
10	6	Station Use, MWh	4,948	2 160	1 0 12	0 (0)	-
200	7	Net Electrical Gen., MWh	-4,948	2,169	1,5/7	8,694	-
3	8	Station Use, Percent	7	-2,169	-1,577	-8,694	erentete ere a
	9	Accum. Core Avg. Exposure, MWD/Ton1	7	- ×	- ×		Administration which
	10	CTEG This Month, 106 BTU		0	0	0	The same of the sa
	11	SGTEG This Month, 100 ETE	1 0	0	0	0	-
	12			1	0	0	-
	13	Hours Reactor Was Critical	0	-	-	-	-
	14	Unit Use, Hours-Min.	0		0	0	-
F10. 50	15	Capacity Factor, Percent	0	+	0	0	-
	16	Turbine Avail, Factor, Percent	1 0		0	0	
3	17	Generator Avail Factor, Percent	1 0	0	0	0	
	18	Turbogen, Avail, Factor, Percent	0	0	0	0	
0.8	19	Reactor Avail, Factor, Percent		THE RESERVE OF THE PERSON NAMED IN	0	0	
	20	Unit Avail, Factor, Percent	-	0	0	10	-
	21	Tyrbine Startups	0	0 -	0	0	-
	22	Reactor Cold Startury	0	0	0	0	-
	23	West of Cold Stations	-	0 -	0	0	
	24	Gross Heat Rate, Btu/kWh	-	-			mercania con con con
~	25	Net heat Rate, Btu/kWh	0	0	0	0	-
	26	THE THESE HAVE, DIVINING	-	0	0	0	
E HINC	27		-				A company of the last of the l
The second second	28	Throttle Pressure, psig				-	NAME AND ADDRESS OF THE OWNER, TH
- P	29	Throttie Temperature, "F	1	0	0	0	-
2	30	Exhaust Pressure, Inhig Abs.		0	0	0	
Line process	31	Intake Water Temp., ⁹ F		0	0	0	-
ē -	12	intoke Water Temp., P	0	0	0	0	
-	33	Main Feedwater, Milb/hr				-	-
	34	Main Peepingter, M. 10/11					AND RESIDENCE OF THE PARTY OF
	35		-			-	-
- 3	36		-	-	-		
THE REAL PROPERTY.	-	Full Power Capacity, EFPD (3)	-				-
	18	Atoum Cycle Full Power Days, EFPD	(4)	(4)	(4)		MARKETON TO
	-		(4)	(4)	(4)		
2 -	-	Oil Fired for Generation, Gallons	-			21,400	
- Comment		Oil Heating Value Bracks.	-			139.800	
		Direct Generation, MWh	-	-		235.2	-
-	2	Max. Hour Net Gen. Max.	Day Net Gen.				
	-	A PARTY OF THE PAR	THE RESERVE AND PERSONS ASSESSED.	Load			-
	3	MWI. Time Date MWh	Date	Factor, %			
· pronounce	mark	I For REND the value of 100 0 5711 and 5		0 1			The second secon
-	111918		or SQNP and WB	NP this value is N	MWD/MTU.		
-	-	2(t) indicates Thermal Energy	_				
notes	********	3 Information furnished by	Reactor Ana	llysis Group	. Chattano	oga	
-		4 Administrative Hold			-		
	-						
-	MANAGEM NO		-	Management of the Contract of			

Date Submitted _____ Date Revised ____

Plant Superintendent

TVA 6560C (PP.3-76)

UNIT OUTAGE AND AVAILABILITY

Nuclear Plant Browns Ferry

Licensed Reactor Power 3293 MW(th)

1132 MW(e)

Generator Rating.

One Unit No. Month/Year August 1988

CORRECTIVE ACTION TAKEN TO PREVENT REPETITION 744 Period Hours UNIT STATUS SURING OUTAGE METHOD OF SHUTTING DOWN REACTOR OUTAGE CAUSE Time to Min Hers 's Ukali Time Our Hey Man 24 '90 24 60 24,00 24,00 24,50 24 00 24 00 24-00 24-00 744-00 744-00 744-00 Boot Beachor Tome Not Available MM Design Grenz Electrical Rating 1098, 4 Next Used Next Min a Time U.c.t Available Skin Total Gen. Hes Min Hes Min

TVA 6560C (PP-3-76)

UNIT OUTAGE AND AVAILABILITY

Browns Farry

Unit No. Two

Month/Year August 1988

Generator Rating 1152 MW(e)

Licensed Reactor Power 3293 MW(III)

Tome Not Available Tome Tome OUTAGE CAUSE	DURING	SUTAGE											
	_	REACTO											
(Janet		FHIS Miss Hers Miss				+						-	
Tome Next Available	Gen. Beactor	24 (60 34 00 34 00 34 00 34 00	-									4 7	20.75
Yone Unit Augilable	Not Used	Hiry Min Her, Min Hery Man it											

TVA 6560C (PP-3-76)

UNIT OUTAGE AND AVAILABILITY

1. ...

Nuclear Plant Browns Ferry

August 1988

Month/fear

Unit No Three

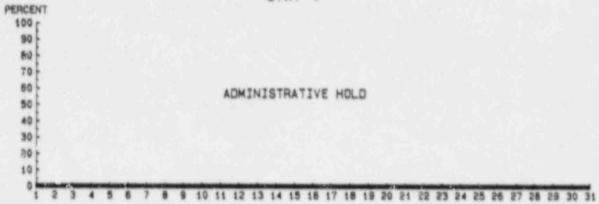
Licensed Reactor Power 3293 MR(86)

Generator Rating 1152 MW(s)

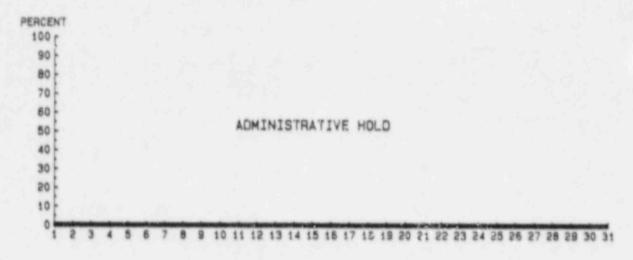
CORRECTIVE ACTION TAKEN TO PREVENT REPETITION 346 Persond Hours UNIT STATUS DURING OUTAGE METHOD OF SHUTTING DOWN REACTOR OUTAGE CAUSE
 Conv.
 Nucl. Used.
 Turbine
 Conv.
 Resector
 Used.
 Turbe

 Phy.
 Min.
 Hot.
 Hot.</ Uport XX 24 00 24 00 24 00 24 00 24 00 744 00 " one fept Augilable MW 1098.4 Time Unit Austable Design Gross Electrival Bating Total Ciay

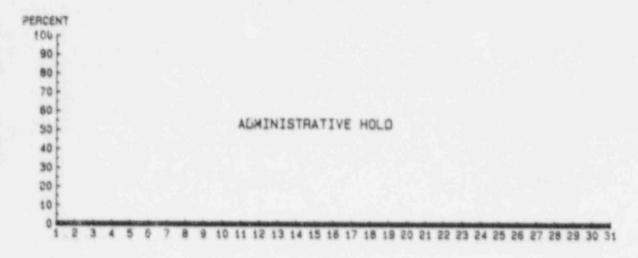
REACTOR POWER PERCENT AUGUST 1988 UNIT 1



UNIT 2



UNIT 3



MAINTENANCE SUMMARY

MAINTENANCE SUMMARY August 1988

Maintenance summaries unavailable for the month.

OTHER REPORTS

CHEMISTRY SUMMARY

AUGUST 1988

Primary Coolant Chemistry

Unit 1

The conductivity of the reactor coolant remained within technical specification and fuel warranty limits during the month. Chloride concentration and pH of the reactor coolant remained within technical specification and fuel warranty limits during the month. This calendar year, the technical specification and fuel warranty limits for conductivity and chloride have not been exceeded.

Unit 2

The conductivity of the reactor coolant remained within technical specification and fuel warranty limits during the month. Chloride concentration and pH of the reactor coolant remained within technical specification and fuel warranty limits during the month. This calendar year, the technical specification and fuel warranty limits for conductivity and chloride have not been exceeded.

Unit 3

The conductivity of the reactor coolant remained within technical specification and fuel warranty limits during the month. Chloride concentration and pH of the reactor coolant remained within technical specification and fuel warranty limits during the month. This calendar year, the technical specification and fuel warranty limits for conductivity and chloride have not been exceeded.

PRIMARY COOLANT CHEMISTRY

AUGUST 1988

Par	ameter	Unit 1	Unit 2	Unit 3
1.	Gross Radioactivity			
	a Crud (filter) (pci/ml)			
	High	N/A	N/A	N/A
	Low	N/A	N/A	N/A
	Average	N/A	N/A	N/A
	b. Filtrate (uci/ml)			
	High	N/A	N/A	N/A
	Low	N/A	N/A	N/A
	Average	N/A	N/A	N/A
2.	Milipore Iron (Fe,ppb)			
	High	N/A	N/A	N/A
	Low	N/A	N/A	N/A
	Average	N/A	N/A	N/A
3.	Tritium (uci/ml)			
	High	4.61E-5	4.29E-5	1.17E-A
	Low	3.958-5	4.21E-5	9.50E-5
	Average	4.218E-5	4.24E-5	1.096E-4
4.	Indine-131 (uci/ml)			
	High	<2.05E-6	<1.05E-6	<3.84E-7
	Low	<5.198-7	<8.67E-7	<3.01E-7
	Av rage	<1.29E-6	<9.42E-7	<3.40E-7
5.	Iodine-131: Iodine-133 Ratio			
	High	N/A	N/A	N/A
	Low	N/A	N/A	N/A
	Average	N/A	N/A	N/A

PRIMARY COOLANT CHEMISTRY (Continued)

AUGUSST 1988

Par	ameter	Unit 1	Unit 2	Unit 3
6.	Chloride (ppb)			
	High	<10	<10	<10
	Low	<10	<10	<10
	Average	<10	<10	<10
7.	pH@25°C			
	High	6.2	6.2	6.2
	Low	6.0	5.9	5.9
	Average	6.1	6.1	6.1
8.	Conductivity (umho/cm@2	5°C)		
	High	0.16	0.88	0.22
	Low	0.10	0.70	0.12
	Average	0.13	0.80	0.14

ENVIRONMENTAL TECHNICAL SPECIFICATION REQUIREMENTS

The ambient upstream river temperature (24-hour average maximum) averaged 86.2°F ranging from 82.7°F on August 31 to 89.2°F on August 18. The downstream temperature varied between 82.9°F on August 31 to 88.9°F on August 18. The maximum river temperature rise was 0.9°F on August 31.

The sedimentation pond remained out of service for the entire month. An engineering design report for repairing the pond was submitted to the Alabama Department of Environmental Management for approval on August 29.

The sewage lagoon discharge was resumed on August 8. The effluent flow averaged 8,160 gallons per day with average BOD5 and TSS concentrations of 14 mg/l and 43 mg/l, respectfully.

The plant did not experience any compliance problems during the month.

AIRHORNE RELEASES(1) AUBUST 1988

SUMMATION OF ALL RELEASES	TINU	THIS MONTH
A. FISSION AND ACTIVATION GASES		
1. TOTAL RELEASE	CI	< 1.41E 02
2. AVERAGE RELEASE RATE FOR PERIOD	UCI/SEC	< 5.85F 01
3. PERCENT OF TECH, SPEC. LIMIT(0.15 CI/SEC)	*	0.00E-01
D. TODINES		
1. TOTAL IODINE - 131	CI	4.408-04
2. AVERAGE RELEASE RATE FOF PERIOD	UCI/SEC	< 1.82E-04
3. PERCENT OF TECH. SPEC. LINIT(2.19 UC)/SEC)	×	0.00F-01
C. PARTICULATES .		
1. PARTICULATES WITH HALF-LIFES > OR = TO 8 DAYS	CI	2.23E-04
2. AVERAGE RELEASE RATE FOR PERIOD	UCI/SEC	9.23E-05
3. PERCENT OF TECH. SPEC. LIMIT(2.19 HCI/SEC)	%	4.21E-03
4. GROSS ALPHA RADIOACTIVITY	CI	1.326-05
D. TRITIUM		
1. TOTAL RELEASE	CI	2.74E-02
2. AVERAGE RELEASE RATE FOR PERIOD	UCI/SEC	1.13E-02
3. PERCENT OF TECH. SPEC. LIMIT(2.19 UCI/SEC)	74	5.16E-01
4. BROUND LEVEL RELEASE	CI	2.74E-02
S. ELEVATED RELEASE	CI	< 4.67E-04

AIRBORNE RELEASES (CONTINUED)

AUGUST 1988

ELEVATED RELEASES

Α.	FISSION GASES		TINU	THIS MONTH
	KR-85K		CI	< 7.56E-02
	KR-85		cı	< 1.23E 01
	KR-87		CI	< 1.93E+01
	KR-88		CI	< 2.78E-01
	XE-133		CI	< 1.48E-01
	XE-135M		CI	< 4.65E-01
	XE-135		CI	< 9.78E-02
	XE-138		CI	< 1.098 00
	OTHERS(SPECIFY)			
		TOTAL FOR PERIOD	CI	< 4.47E 01
В.	TODINES			
	1-131		CI	< 3.81E-06
	1-133		cı	< 7.17E-05
	1-135		cı	< 1.01E-01
		TOTAL FOR PERIOD	CI	< 1.01E-01

AIRBORNE RELEASES (CONTINUED)

AUGUST 1988

ELEVATED RELEASES

С.	PARTICULATES		UNIT	THIS MONTH
	SR-89		CI	< 4.10E-07
	SH-90		CI	< 1.645-07
	CS-134		CI	< 4.49E-06
	C8-137		CI	< 5.88E-06
	BA-340		CI	< 1.07E-05
	LA-140		CI	< 8.415-06
	OTHERS(SPECIFY)			
		TOTAL FOR PERIOD	CI	< 3.01E-05
D.	TRITIUM		CI	< 4.67E-04

AUGUST 1988

GROUND RELEASES

Α.	FISSION GASES		UNIT	THIS MONTH
	KR-85M		CI	< 2.36E-01
	KR-85		ÇI	< 9.14E 01
	KR-87		CI	< 7.24E-01
	KR-88		CI	< 9.58E-01
	XE-133		CI	< 6.23E-01
	XE-135M		CI	< 6.75E-01
	XE-135		CI	< 1.90E-01
	XE-138		cı	< 1.86€ 00
	OTHERS(SPECIFY)			
		TOTAL FOR	CI	< 9.68E 01
Э.	IODINES			
	I-131		cı	< 4.36E-04
	1-133		CI	< 3.09E-03
	I-135		CI	< 7.72E 00
		TOTAL FOR PERIOD	CI	< 7.73E 00

AIRBORNE RELEASES (CONTINUED)

AUGUST 1988

GROUND CELEASES

с.	PARTICULATES		UNIT	THIS MONTH
	SR-89		CI	< 2.31E-04
	SR-90		CI	< 8.51E-05
	CS-134		CI	< 4.03E-04
	CS-137		10	< 4.90E-04
	BA-140		CI	< 7.978-04
	LA-140		C1	< 5.58E-04
	OTHERS(SPECIFY)			
	CO-60		CI	2.23E-04
		TOTAL FOR PERIOD	CI	2.23E-04
D.	TRITIUM		CI	2.748-02

BROWNS FERRY NUCLEAR PLANT MONTHLY REPORT CALCULATIONS LIQUID RELEASES AUGUST 1988

RADIDACTIVE LIQUID EFFLUENTS

1.	GROSS RADIDACTIVITY	UNITS	
	a) TOTAL RELEASE	CURIES	1.67E-02
	b) AVERAGE DILUTED CONCENTRATION RELEASED	UCI/NL	1.326-09
	c) PERCENT OF APPLICABLE LIMIT (1E-7 UC1/ML)	z	1.32E 00
2.	TRIT M		
	a) TOTAL RELEASE	CURIES	1.14E-01
	b) AVERAGE DILUTED CONCENTRATION RELEASED	UCT/ML	8.99E-09
	c) PERCENT OF APPLICABLE LIMIT (3E-03 UC1/ML)	× ×	3.00E-04
3.	DISSOLVED NOBLE GASES		
	a) TOTAL RELEASE	CURIES	< 7.25E-04
	b) AVERAGE DILUTED CONCENTRATION RELEASED	UCIZML	< 5.738-11
	e) PERCENT OF APPLICABLE LIMIT (2E-04 UCI/ML)	%	< 2.86E-05
1.	GROSS ALPHA RADIOACTIVITY		
	a) TOTAL RELEASE	CURIES	<1.94E-04
	b) AVERAGE DILUTED CONCENTRATION RELEASED	OCI/ML	<1.54E-11
5.	VOLUME OF LIGHTE WASTE TO DISCHARGE CANAL	LITERS	3.77E 06
6.	VOLUME OF DILUTION MATER	LITERS	1.27E 10

BROWNS FERRY NUCLEAR PLANT MONTHLY REPORT CALCULATIONS LIQUID RELEASES AUGUST 1988

ISOTOPES RELEASED	UNITS
	CI
CR-51	< 2,11E-03
MN-54	< 2.88E-04
Cu-58	< 2.33E-04
FE-59	< 5.24E-04
CO-60	2,16E-03
ZN-65	2.46E-04
N8-95	< 2.29E-04
ZR-95	< 4.00E-04
MOYG-99M	< 1.80E-04
1-131	< 2.72E-04
XE-133	< 5.76E-04
CS-134	2.74E-03
XE-135	< 1.49E-04
CS-137	1.13E-02
BA-140	< 1.05E-03
LA-140	< 2.11F-04
CE-141	< 3,16E-04
SR-89	< 9.45E-05
SR-70	< 5.058-05

BRONNS FERRY NUCLEAR PLANT HONTHLY REPORT CALCULATIONS LIQUID RELEASES AUGUST 1988

OTHERS

UNITS

CI

FE-55

< 9.11E-04

SB-125

2.38E-04

BROWNS FERRY NUCLEAR PLANT MONTHLY REPORT CALCULATIONS LIQUID RELEASES AUGUST 1988

LAUNDRY DRAIN VOLUME RELEASED:	0.0	GALLONS
FLOOR DRAIN VOLUME RELEASED:	887021.5	GALLONS
WASTE SAMPLE TANK VOLUME RELEASED:	107710,1	BALLONS
DISTILLATE TANK VOLUME RELEASED:	0.0	BALLONS
LUCATION OTHER THAN RADWASTE VOLUME RELEASED:	0.0	BALLONS
TOTAL VOLUME RELEASED TO THE RIVER:	994231.6	GALLONS
HIGHEST BATCH ACTIVITY RELEASED FOR MONTH:	3.53E-09	UCI/NL A/D
LONGEST RELEASE TIME FOR MONTH:	351	MINUTES
SHORTEST RELEASE TIME FOR MONTH:	117	MINUTES
TOTAL TIME OF RELEASES FOR MONTH!	8355	MINUTES
AVERAGE TIME FOR BATCH RELEASES:	239	MINUTES

NUMBER	OF	BATCHES RELEASED!	35
NUMBER	1)5	ADMINISTRATIVE LINIT VIOLATIONS:	0
RUMBER	() F	FCHNICAL SPECIFICATION VIOLATIONS:	0

RESIN USAGE REPORT

AUGUST 1988

RESIN CONSUMED (CU.FT.)

	% of Total	Bead	POWDEX	ECODEX	ECOSORB	EPIFLOC	Total
Radwaste							
Floor Drain Filter	61.8	0	136	0	0	146	282
Waste Demineralizer	0	0	0	0	0	0	0
Waste Filter	34.7	0	104	0	3	51	158
Fuel Pool Demins	0.9	0	4	0	0	0	4
Reactor Water Cleanup							
Unit 1	0	0	0	0	0	0	0
Unit 2	0	0	0	0	0	0	0
Unit 3	0.4	0	2	0	0	0	2
Cond. Demins							
Unit 1	0	0	0	0	0	0	0
Unit 2	2.2	0	10	0	0	0	10
Unit 3	0	0	0	0	0	0	0
Totals	100	0	256	0	3	197	456

FUEL CLADDING INTEGRITY PARAMETERS AUGUST 1988

Unit 1

Reactor Water Iodines (uci/sec.)

Date I-131 I-132 I-133 I-134 I-135

Unit in Outage

Fission Gases at Discharge of SJAE (uci/sec)

Date Flow MWt Xe-138 Kr-87 Kr-88 Kr-85m Xe-135 Xe-133

Unit in Outage

Unit 2

Reactor Water Iodines (uci/sec.)

Date I-131 I-132 I-133 I-134 I-135

Unit in Outage

Fission Gases at Discharge of SJAE (uci/sec)

Date Flow MWt Xe-138 Kr-87 Kr-88 Kr-85m Xe-135 Xe-133

Unit in Outage

Unit 3

Reactor Water Todines (uci/sec.)

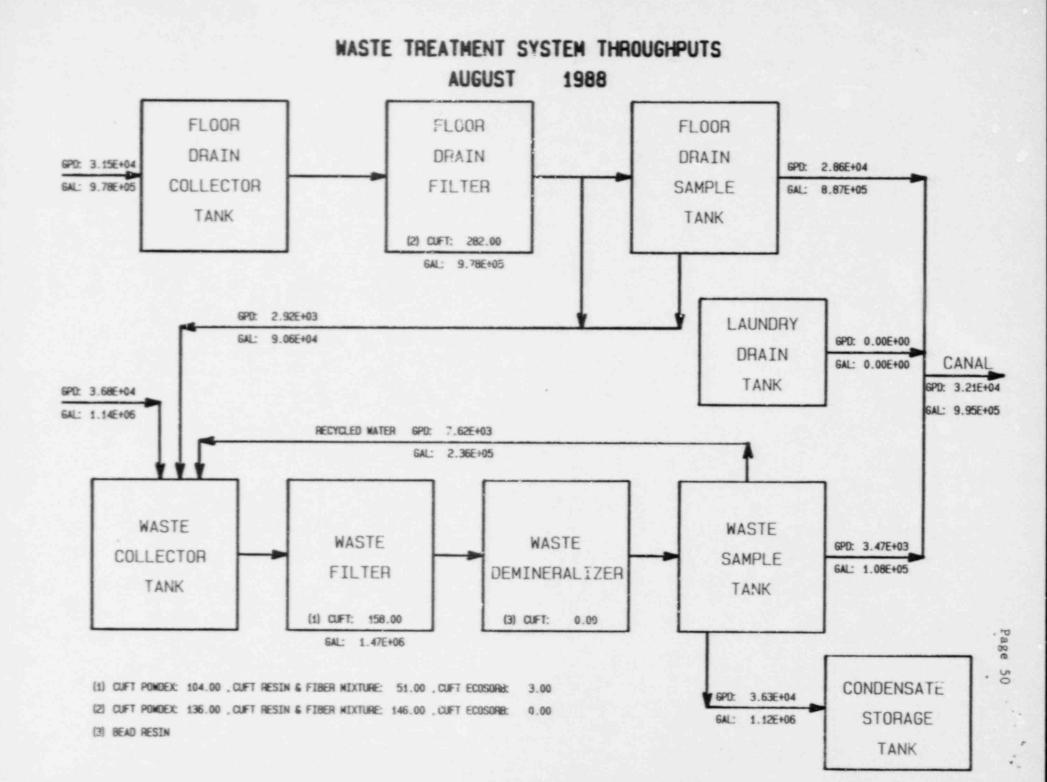
Date I-131 I-132 I-133 I-134 I-135

Unit in Outage

Fission Gases at Discharge of SJAE (uci/sec)

Date Flow MWt Xe-138 Kr-87 Kr-88 Kr-85m Xe-135 Xe-133

Unit in Outage



TESTING SUMMARY

AUGUST 1988

Surveillance Testing

Unit 0

A total of 186 surveillance tests were completed using 51 different test instructions.

Unit 1

A total of 63 surveillance tests were completed on unit 1 using 24 different test instructions.

Unit 2

A total of 114 surveillance tests were completed on unit 2 using 39 different test instructions.

Unit 3

A total of 77 surveillance tests were completed on unit 3 using 23 different test instructions.

TESTING SUMMARY

(CONTINUED)

AUGUST 1988

Changes, Tests, and Experiments Requiring Authorization From the NRC Pursuant to 10 CFR 50.59(a)

There were two revisions for units 1, 2, and 3 technical specifications.

Changes, Tests, and Experiments not Requiring Authorization from NRC Pursuant to 10 CFR 50.59(a)

There were two special tests completed for this month.

ST 87-28 Description: Hayes-Republic H202 Analyzer Hostile Environment

ST 88-15 Description: Ventilation System Flow Measurement 2

REACTOR VESSEL FATIGUE USAGE EVALUATION

AUGUST 1988

The cumulative usage factors for the reactor vessel are as follows:

Usage Factor

Location	Unit 1	Unit 2	Unit 3
Shell at water line	0.00620	0.00492	0.00431
Feedwater nozzle	0.29782	0.21319	0.16139
Closure studs	0.24204	0.17629	0.14360

CHANGES IN PROCEDURES

AUGUST 1988

There were 515 revisions to plant instructions during the month; 515 instructions were changed primarily for correction, and zero revisions related to safe operation of the plant.

PLANT INSTRUCTION REVISIONS

AUGUST 1988

There were no revisions for the month.

CHANGES IN PLANT ORGANIZATION AUGUST 1988

There were six changes in plant staff for those positions designated as key supervisory positions. They were as follows: Levyn W. Ivey, Nuclear Engineer, Site Licensing; Jimmy D. Johnson, Work Control/Outage Shift Manager; Jerry S. Olson, Assistant Plant Manager; John L. Sparks, Supervisor NSSS; Robert McKeon, Manager, Plant Manager's Staff; and W. Gary Harland, Manager Work Control/Outage.

ACCIDENTS

AUGUST 1988

There were two loss-of-time accidents during the month.

TENNESSEE VALLEY AUTHORITY

Browns Ferry Nuclear Plant Post Office Box 2000 Decatur, Alabama 35602

SEP 19 1088

U.S. Nuclear Regulatory Commission ATTN: Document Control Desk Office of Puclear Reactor Regulation Washington, D.C. 20555

Attention: Office of Management Information and Program Control

In the Matter of the) Docket Nos. 50-259
Tennessee Valley Authority) 50-260
50-296

BROWNS FERRY NUCLEAR PLANT (BFN) - MONTHLY OPERATING REPORT - AUGUST 1988

Enclosed is the August 1988 Monthly Operating Report to NRC for Browns Ferry Nuclear Plant units 1, 2, and 3.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

Q. M. Keon for Guy G. Campbell III Plant Manager

Enclosure

cc: INPO Records Center
Institute of Nuclear Power Operations
Suite 1500
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Atlanta, Georgia 30389

U.S. Nuclear Regulatory Commission Region II Attn: Dr. J. Nelson Grace, Regional Administrator 101 Marietta Street, NW, Suite 2900 Atlanta, Georgia 30323

Mr. Ted Marston, Director Electric Power Research Institute P. O. Box 10412 Palo Alto, California 94304 Mr. G. G. Zech, Director TVA Projects Division One White Flint, North 11555 Rockville Pike Rockville, Maryland 20852

Browns Serry Resident Inspector Browns Ferry Nuclear Plant Route 12, Box 637 Athens, Alabama 35611

IERA III